cq calling all rtty stations
A.N.A.R.T.S. News Bulletin 1394 for 30th of April 2006
Items in this broadcast include
1. Cols column
2. IPS REPORT
3. VK2SG RTTY DX report
4. OPDX Bulletin
5. Anarts Information
Col's Column

Propagation of Radio Waves.
Sky Waves.
After leaving the transmitting antenna, the Sky Wave travels through space to the ionised regions in the outer portions of the earths atmosphere, where, if conditions are favourable, the wave will be refracted, or bent, earthwards.
In this way, it is possible for waves to travel around the curvature of the earth and reach points much too distant for Ground Wave reception.
Nature of the Ionosphere.
The term 'Ionosphere' refers to the ionised regions that exist in the outer portion of the earths atmosphere. The ionosphere results from ionisation, that is, breaking up of the Gas Molecules of the outer atmosphere by Solar Radiation, and consists of a mixture of Free Electrons, and Positive and Negative Ions in a rarified gas.
The extent to which radio waves are affected by the ionised regions is determined by the variation in the density of the free electrons with height. This variation is normally characterised by several distant maxima or 'Layers'. The degree of ionisation in these layers is dependent on the Sun's Zenith Angle and therefore it might be expected to exist only during the daylight hours. However, because the process of recombination takes place at a limited rate, some ionisation persists throughout the night hours.
In the daytime, there are normally three distant layers of progressively increasing Electron Density. These layers being referred to as the E, F, and F2 layers respectively. In addition, there is a weak fourth layer known as the D layer. However, as the D layer has such small effect on the propagation of radio waves, only incidental reference will be made to it in this article. The layers exists at heights above the earth varying from about 50 Kilometres in the case of the D layer, to between about 270 to 370 Kilometers in the case of the F2 layer.
More of the nature of the ionosphere next week. I would

like to add
sketch's showing the ionised layers and their heights,
but it is beyond
the capability of the RTTY mode.
Please remember that ANARTS now has its own web site, the
URL is
http://www.anarts.com.au, once more my thanks to Bruce
VK2RT for providing
the web space. If you have any articles relating to RTTY
or similar modes that
you would like to see on our web pages, please contact me
at the address
shown at the end of this broadcast.
73's Col VK2CTD.
IPS Weekly Solar and Geophysical Report 21/27th Apr
SUMMARY
Date 21 22
23 24 25
26 27
10cm flux 79 82 87 93 95
100 101
AFr index 6 10
8 4 1
2 4 est
Aaus index 5 9
3 3 3
1 ??
T index 19 34
26 30 28
31 31
Solar flare activity was very low 21st and 23rd; low on
22nd 24th and 25th
moderate with one M1 flare on 26th and high with one M7
flare on 27th.
Geomagnetic activity observed for the Australian Region
was quiet to
unsettled on 21/ 23rd and quiet thereafter. There were
minor storm periods
at high latitudes on 22nd.
Southern Australian Ionospheric F2 critical frequencies
were near
predicted to 15 percent enhanced on 21st 23rd and 24th
near predicted to
20 percent enhanced on 22nd and 25th enhanced 10 percent
on 26th and
enhanced 15 percent on 27th.
Forecast for 28th Apr to 4th May
Solar activity should be moderate during the week due to
the transit of
active region 875 in particular, and possibly also AR876
and 877. AR875
has already produced M class flares and retains the
potential to do so.
Frequencies should be generally above predicted monthly values
by 10 to 25
percent due to extra ionising solar radiation from active
regions
875/876/877. Conditions may be depressed and frequencies
reduced by
ionospheric storms resulting solar Coronal Mass Ejections
from AR875
striking the geomagnetic field.
Geomagnetic activity should be generally quiet to

unsettled conditions.
courtesy of the IPS Radio and Space Services
summary by Pat VK2JPA ANARTS Broadcast Officer
VK2SG RTTY DX NOTES week ending 27 Apr
Our information this week came from AA5AU I5FLN DJ3IW
GB7DXG and
the OH2AQ DX Summit. Thank you all.
Bandpass
Friday 21
0001-7041 YY5PPG
0006-14080 VU4/VU3RWP
0046-14081 NP3D
0233-21080 VU4AN/VU3RWP
0245-14080 UBN7PBY
0454-21084 ZL2AMI
0620-18098 VU4AN/VU3PLM
0627-14084 EP3AG
0737-21081 VU4AN/VU3SID
0754-14080 VU4AN/VU3RYJ
0956-21081 FR5AB
0958-14081 CU6NS
1011-18097 VU4AN/VU3NZB
1039-21080 VU4AN/VU3SID
1057-14088 VU4AN/VU3RYN
1202-14086 BD7KLO
1212-18103 HK4QHD
1214-14090 3B9/ON4LAC
1218-14093 VU4AN/VE3RYC
1243-14088 VR2MY
1304-14094 VU4AN/VU3RYC
1308-14080 P29ZAD
1409-21092 3B9FR
1446-14085 EP3AG
1453-18102 9M6/G3OOK
1531-14077 VU/AN/VU3PLM
1535-14084 SU9FL
1541-14090 XV1X
1603-14084 ST0RM
1605-14077 VU4AN/VU3PLB
1617-14082 4L4KK
1621-14096 VR2XLN
1621-14084 5Z4ES
1634-10142 VU4AN/VU3SID
1701-18101 JW4GHA
1705-14090 XV1X
1721-14094 YB1YG
1739-10139 9M6/G3OOK
1811-14065 VU4AN/VU3KIE
1836-10139 C31BO
1858-14085 OX3DB
1949-14083 CN8YZ
2050-14091 SV9CVY
2101-14083 HK6DOS
2104-14087 T94KC
2108-14084 XE3ISS
2118-14086 YK1BAF
2146-14093 FG5GK
2208-14080 P29ZAD
2246-70384 L4CH
2321-7038K P4ED
2323-14078 VU2AN/VU3RYN
2330-14084 VK2KM
2334-14082 5U7B

2335-14085 HK6PSG
Saturday 22
0001-14090 VU4AN/VU3RYJ
0315-7027 8N3HAM
0344-21080 VU4AN/VU3RWP
0452-21083 VU4AN/VU3SID
0504-28080 VU4AN/VU3RYJ
0654-24921 VU4AN/VU3SIE
0835-14085 YJ0AWG
0911-18105 VU4AN/VU3SID
0912-21080 VU4AN/VU3RWP
0915-21088 VU4AN/VU3RYN
0934-21088 VU4AN/VU3PLM
0935-14081 VU4AN/VU3NZB
0951-14080 EK6TA
0956-18104 VU4AN/VU3SID
1030-14093 SV9CVY
1044-18096 T68G
1131-14086 BD7KLO
1143-21084 3B9/ON4LAC
1201-14080 7X0RY
1213-21086 SU1SK
1216-14085 XE3RCC
1218-14091 4A7L
1218-14099 LT0H
1220-14086 4M5RY
1221-21093 ZS2EZ
1225-21082 JY4NE
1237-21089 HR2/LU1DY
1240-14098 CN8KD
1248-21085 FR5GS
1248-14101 ZL2AMI
1310-14086 CO2GL
1314-21074 VU4AN/VU3TLY
1317-21080 7X0RY
1320-21076 ZC4LI
1324-14084 XE3RCC
1343-21098 FR1HZ
1349-21080 CV5D
1351-21090 9V1UV
1405-14087 HR2/LU1DY
1410-14089 HK6PSG
1418-14085 7X0RY
1420-14103 9K2YM
1427-21082 CN8YZ
1440-14095 9V1UV
1445-14083 KP4AH
1446-14104 EI6HB
1511-14081 GW3NJW
1526-14105 MW0CRI
1531-14093 EK6TA
1554-14107 XV1X
1615-14106 DU7/G4DUM
1616-14104 VR2XLN
1619-14090 DX1M
1622-14103 TF3AO
1626-14079 E21YDP
1634-14094 ER3ZZ
1634-14082 GM4FDM
1636-14074 UN8PO
1637-14076 UN7PBY
1644-10137 JW4GHA
1644-14083 7X0RY

1649-14090 DX1M
1707-14109 VR2BG
1710-10138 4X6ZQ
1713-14078 ZC4LI
1720-14075 BD7KLO
1721-14092 CN8YZ
1741-14073 CX7AT
1742-10141 VU4AN/VU3SID
1811-14084 7X0RY
1812-14081 CN8KD
1817-21080 CV5D
1828-14086 9M6/G3OOK
1848-14086 CX7AT
1851-14083 CO2GL
1856-7030 ER3ZZ
1858-14084 HK6PSG
1927-7037 7X0RY
1928-14079 E21YDP
1937-21093 LT0H
1954-14080 EK6TA
1955-14083 ZS2EZ
1958-7033 JM1XCW
2011-14088 YV5AAX
2028-14080 6O0M
2114-14087 LW9ETQ
2135-14085 CN8YZ
2153-14083 4M5RY
2155-21079 CV5D
2201-14086 G7OGX
2201-14088 YV5AAX
2211-14083 LW9ETQ
2211-7034 JY4NE
2212-7036 7X0RY
2214-7042 G0MTN
2214-14085 ZL2AMI
2219-14081 6O0M
2221-7048 4M5RY
2221-14081 PS7PIO
2224-3580 UT6EY
2224-7043 UN7PBY
2227-7035 M5AGV
2227-7037 CN8KD
2229-7029 EK6TA
2243-7047 ZC4LI
2247-21083 ZL2AMI
2248-14086 XE3RCC
2306-3581 7X0RY
2325-14081 CX7AT
2345-14090 JT5Y
Sunday 23
0007-14087 HR2/LU1DY
0040-21088 VR2BG
0102-14085 FO5PS
0142-7036 LT0H
0142-7042 7X0RY
0144-7046 ZC4LI
0146-7041 EK6TA
0211-21088 YB5BO
0226-21082 UN7PBY
0229-21079 DV1JM
0252-7044 4A7L
0324-7046 KP4AH
0351-21078 VU4AN/VU3TLY

0505-21087 VR2BG
0513-7033 KP4JRS
0527-7036 ZL2AMI
0608-24920 VU4AN/VU3SIE
0631-28079 VU4AN/VU3PLM
0647-21093 VR2XMT
0647-21092 BD7KLO
0648-21080 EK6TA
0650-21080 7X0RY
0654-14084 JY4NE
0655-21083 YB5BO
0715-21083 BD1DCG
0729-21091 EK6TA
0731-24920 VU4AN/VU3SIE
0751-21092 BD7KLO
0758-14085 7X0RY
0818-21100 ER3ZZ
0826-21095 YB5BO
0839-21098 VR2BG
0842-14096 LT0H
0853-7033 G3TXF
0856-21087 3B9FR
0859-14083 JY4NE
0905-21105 VU4AN/VU3PLM
0907-7039 PZ5RA
0916-21076 E21YDP
0947-7039 AI4FR
0947-7038 LT0H
0949-44500 DO3MXK
0950-7038 LT0H
0959-14080 VU4AN/VU3RYJ
1003-21092 JY4NE
1020-7028 VR2BG
1129-21104VU4AN/VU3PLM
1132-14092 CV5D
1149-14082 7X0RY
1211-18101 KP4ED
1214-18105 VU4AN/VU3SID
1229-18100 9K2YM
1235-14085 3B9/ON4LAC
1336-14084 HB0/IK1WER
1337-14089 E20KIR
1347-21087 3B9FR
1358-18104 9M6/G3OOK
1406-14081 VU4AN/VU3RSB
1428-14088 UN8PIM
1433-14080 VU4AN/VU3OHA
1458-18109 3B9FR
1511-14090 VU4AN/VU3RYJ
1603-18102 SU9FL
1623-14090 3B9FR
1643-7037 VU4AN/VU3TLY
1646-18105 TI8CBT
1810-14083 XU7ABN
1820-14083 EK8WA
1830-10134 CN8NK
1903-24922 TI8CBT
1905-10132 IW9CTR
2140-7034 YM125ATA
2316-14084 VU4AN/VU3OHA
2359-14092 SV9CVY
Monday 24
0011-14081 VR2BG

0033-14081 SU1SK
0311-7047 KD4POJ
0441-3579 KD4POJ
0602-21080 VU4AN/VU3TLY
0757-18100 YJ0AWG
0816-14085 HB0/IZ1DSH
0826-28080 VU4AN/VU3SID
0832-18100 SV3GKU
0904-18100 VU4AN/VU3PLM
0950-21079 VU4AN/VU3PLM
1013-24923 9M6/G3OOK
1056-10140 VU4AN/VU3RYJ
1103-21088 3B9/ON4LAC
1122-14083 XU7ABN
1129-18100 JW4GHA
1144-21080 VU4AN/VU3PLM
1230-14085 KP4ED
1232-14073 4X4DO
1318-14084 BD7KLO
1325-14088 VR2MY
1352-14079 VU4AN/VU3RYJ
1357-14092 VU4AN/VU7SID
1409-14076 9V1CW
1409-14091 JT1Y
1410-18100 VU4AN/VU3TLY
1450-14091 A47RS
1509-14075 P29ZAD
1603-14087 LX8DL
1621-18101 JW4GHA
1625-14089 HB0/IZ1DSH
1629-14074 TF3GC
1709-14087 VR2XLN
1736-10142 S57OWA
1819-18102 CN8KD
1819-14081 EK6TA
1826-14086 VR2XLN
1845-14091 TR8CA
1851-14084 6K2DFG
1855-14091 SV9CVY
1904-14083 XU7ABN
1935-14084 EP3EG
2022-14085 HB0/IK1WEG
2040-14083 FM5AA
2146-14081 HB0/IZ1DSH
2210-7034 YM125ATA
2318-14083 SU1SK
2329-14086 LU7HM
2335-14084 HI8LAM
Tuesday 25
0122-14089 JT1Y
0622-21080 VU4AN/VU3RYJ
0727-21089 JT1Y
0734-21081 VU4AN/VU3SID
1033-14082 UN8PIM
1137-21088 3B9/ON4LAC
1147-18102 VU4AN/VU3SID
1148-14088 BD7KLO
1155-14090 JT1Y
1243-14083 VR2XMT
1309-14084 4S7AB
1353-14087 ON100BOIC
1403-14081 EK6TA
1421-21087 3B9FR

1508-14084 TF3GC
1518-14088 VR2XLN
1548-14082 EK6YL
1647-14083 XU7ABN
1653-21085 TI8CBT
1728-14087 JW4GHA
1832-14085 TR8CA
1908-14082 EK6TA
1917-14087 TA1DX
1941-24925 YV5YMA
2008-14087 GW4BLE
2014-14088 EI6HB
2025-14085 LX8DL
2039-18107 YV5YMA
2053-7037 4L4KK
2157-7041 G6PZ
2204-14087 LU7HO
2204-10147 YV5YMA
2210-14089 SV9CVY
2235-14082 KD4POJ
Wednesday 26
1142-18105 UK8FF
1157-14083 EP3AG
1201-18101 OZ1ING
1236-14082 4S7AB
1238-14084 VR2XMT
1326-18101 6K2DIO
1410-10140 6K5DFG
1444-21082 LU7HO
1516-10141 UT3FW
1552-10141 RA9SAS
1610-14089 E20KIR
1631-14082 EP3AG
1757-14084 YI1OM
1814-14087 TR8CA
1920-14084 XU7ABN
1945-14092 SV9CVY
2024-14083 JW4GHA
2036-14085 KP4ED
2112-14088 TF3PPN
2127-14090 IS0XBS
Thursday 27
0133-7045 YK1BA
0233-14084 UN7PBY
0309-7042 SV9CVY
0740-14085 JW4GHA
0755-14083 VK3KE
0830-14082 CN8KD
0845-14085 T77M
1219-14086 JW0HZ
1232-14085 YB0COU
1245-14091 E21YDP
1248-14087 E20KIR
1250-14080 VR2XMT
1304-14083 HP1SCP
1327-14082 DS4DBF
1350-21092 9K2CQ
1424-14083 A6/A92DU
1439-14087 GI4WXA
1501-14091 3B9FR
1506-14082 6K2DFG
1650-14083 TF3PPN
1713-14085 LX1DA

1742-10140 SV3AQN
1759-14083 CN8YZ
1813-14084 EK6YL
1839-14088 EI6HB
1857-24919 TI8CBT
1913-24925 YV5YMA
1940-18107 YV5YMA
Notes of interest:
No noted RTTY operations for the next few weeks.
The VK2SG RTTY DX NOTES are distributed every week via
the
Winlink network, and are also available on the Internet
at
URL http://mailman.qth.net/mailman/listinfo/vk2sg-rtty
and the digital-dx reflector.
To subscribe to the digital-dx reflector, send an e-mail
message to majordomo at mla.nifty.ne.jp as follows:
Subject:(blank) Message Body: subscribe digital-dx
For next week's bulletin, send your bandpass and notes of
interest to I5FLN at email luciano.fusari at alice.it
Phil GU0SUP
The Ohio/Penn DX Bulletin No. 757 - excerpts
IOTA NEWS
AS-079. Taka JR3TVH will be active as JR3TVH/JS6 from
Tarama Island
(AS-079-008) in the Miyako Island Group Apr 22-May 2.
Activity will be on
160-6M CW SSB AM FM and Digital. Daily INFO will be
available at
http://blogs.yahoo.co.jp/jr3tvh/
QSL via his home callsign (via the bureau is OK).
AS-081. Members of the Korea DX Association (KDXA) and
possibly a few
guest operators will be active as homecall/5 from Koje
Island (KDN L012)
May 4-7. This is the groups annual IOTA operation. They
will have a minimum
of two active HF stations operating simultaneously on
160-6M on CW/SSB/
Digital with various antennas and amplifiers.
YX0, AVES ISLAND On The Air But With Sad News.
The Aves Island DXpedition came on the air Apr 20 and is
expected to be
active until about May 1. However, the DXpedition group
had an incident on
the island. Jose Manuel Valdes Rodriguez YV5LIX, one of
the operators,
suffered a heart attack, and the two physicians with the
DXpedition team were
unable to resuscitate him. Jose's death at around 0400z,
occurred shortly after
the YX0A DXpedition got under way. The Aves Island
DXpedition reportedly has
obtained permission to use the memorial callsign YX0LIX
until the DXpedition
ends.
The Society can be contacted in the following ways
To Pat VK2JPA via patleeper at optusnet.com.au or
Col VK2CTD via ctdavies at bigpond.net.au or
you can drop a line to PO Box 93 Toongabbie NSW 2146.
73s for this week from Pat VK2JPA broadcast Officer.
NNNN
END OF BROADCAST PSE STANDBY FOR CALL BACKS TAKEN BY

VK2CTD
CQ DE VK2TTY SK SK